

WHAT IS CLAIMED IS:

1. An intraocular lens, comprising:  
an optic made of a foldable material having:  
an optical element with optical power;  
a transition region disposed around the entire perimeter of the optical element, the transition region having a thickness of between at least about 0.07 mm and about 0.40 mm; and  
a support disposed about at least a portion of the transition region, the thickness of the support being greater than the thickness of the transition region;  
at least two haptics integrally formed with the optic and coupled to the support.
2. The intraocular lens of claim 1, wherein the thickness of the support is between at least about 0.25 mm and about 0.60 mm.
3. The intraocular lens of claim 1, wherein the thickness of the transition region is at least about 0.12 mm.
4. The intraocular lens of claim 1, wherein the thickness of the haptics is less than or equal to the thickness of the support.
5. The intraocular lens of claim 1, wherein the material is selected from a group of deformable materials consisting of hydrogel, silicone, acrylic, and hybrid combinations of the same.
6. The intraocular lens of claim 1, wherein the support is disposed around the entire perimeter of the transition region.
7. The intraocular lens of claim 1, wherein each haptic attaches at least at one location on the support.
8. The intraocular lens of claim 1, wherein each haptic attaches at least at two locations on the support.
9. The intraocular lens of claim 1, wherein each haptic forms a substantially planar surface.
10. The intraocular lens of claim 1, wherein each haptic comprises a pair of pincer arms.
11. The intraocular lens of claim 1, wherein the intraocular lens is adapted for insertion into the capsular bag of an eye.

12. The intraocular lens of claim 1, wherein the intraocular lens is adapted for insertion into the anterior chamber of an eye.

13. The intraocular lens of claim 1, wherein the intraocular lens is adapted for insertion into the posterior chamber of an eye.

14. The intraocular lens of claim 1, wherein the optic further comprises a peripheral edge configured to inhibit cell growth on the intraocular lens.

15. An intraocular lens, comprising:  
an optic made of a foldable material having:  
an optical element with optical power; and  
a transition region around the entire perimeter of the optical element, the transition region having a thickness of between at least about 0.07 mm and about 0.40 mm; and  
at least two haptics integrally formed with the optic adapted to produce a positioning force when inserted into an eye;  
means for isolating the positioning force from the optical element and the transition region.

16. The intraocular lens of claim 15, wherein the thickness of the transition region is at least about 0.12 mm.

17. The intraocular lens of claim 15, wherein the foldable material is selected from a group of deformable materials consisting of hydrogel, silicone, acrylic, and hybrid combinations of the same.

18. The intraocular lens of claim 15, wherein each haptic forms a substantially planar surface.

19. The intraocular lens of claim 15, wherein each haptic comprises a pair of pincer arms.

20. The intraocular lens of claim 15, wherein the intraocular lens is adapted for insertion into the capsular bag of an eye.

21. The intraocular lens of claim 15, wherein the intraocular lens is adapted for insertion into the anterior chamber of an eye.

22. The intraocular lens of claim 15, wherein the intraocular lens is adapted for insertion into the posterior chamber of an eye.

23. The intraocular lens of claim 15, wherein the optic further comprises a peripheral edge configured to inhibit cell growth on the intraocular lens.

24. A method of manufacturing an intraocular lens, comprising:  
providing a foldable material;  
forming the material to produce an optic having:  
an optical element with optical power;  
a transition region disposed around the entire perimeter of the optical element, the transition region having a thickness of between at least about 0.07 mm and about 0.40 mm; and  
a support disposed about at least a portion of the transition region, the thickness of the support being greater than the thickness of the transition region;  
further forming the material to produce at least two haptics, the thickness of the haptics being less than or equal to the thickness of the support.

25. A method of inserting an intraocular lens into an eye, comprising:  
providing an intraocular lens having:  
an optic made of a foldable material having:  
an optical element with optical power;  
a transition region disposed around the entire perimeter of the optical element, the transition region having a thickness of between at least about 0.07 mm and about 0.40 mm; and  
a support disposed about at least a portion of the transition region, the thickness of the support being greater than the thickness of the transition region;  
at least two haptics integrally formed with the optic, the thickness of the haptics being less than or equal to the thickness of the support  
folding the intraocular lens;  
creating an incision in an eye; and  
inserting the intraocular lens through the incision and into a portion of the eye.